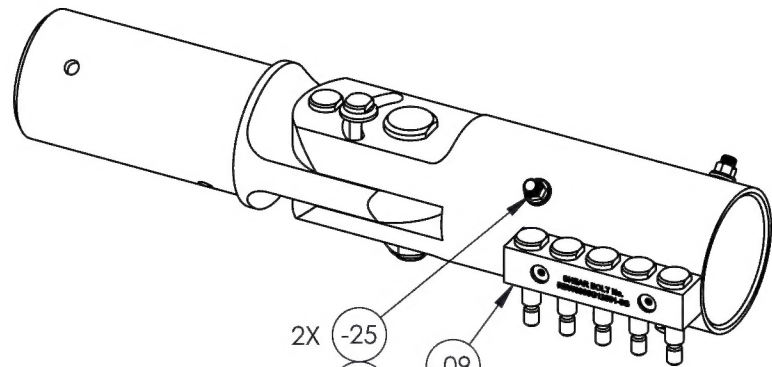
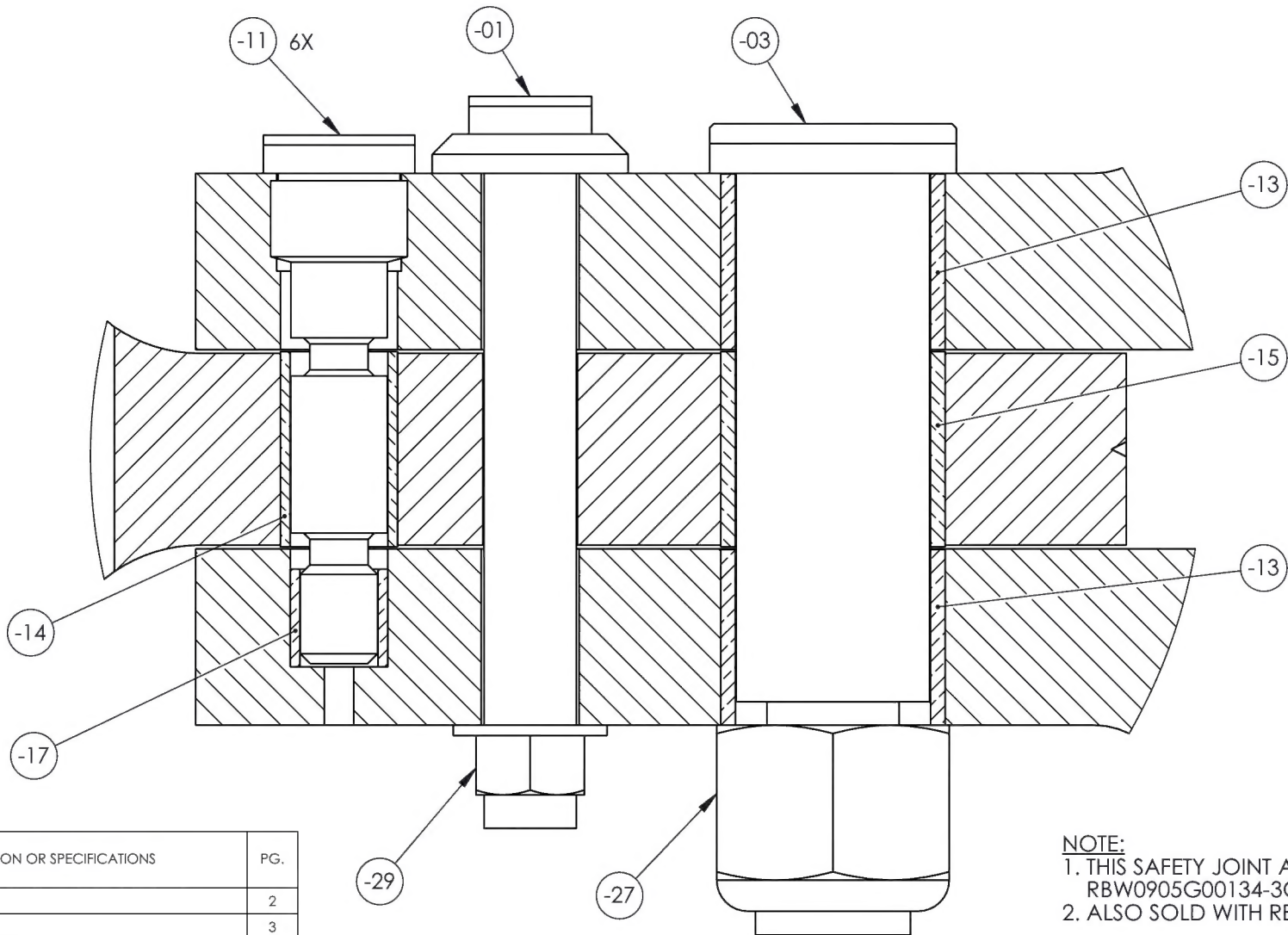
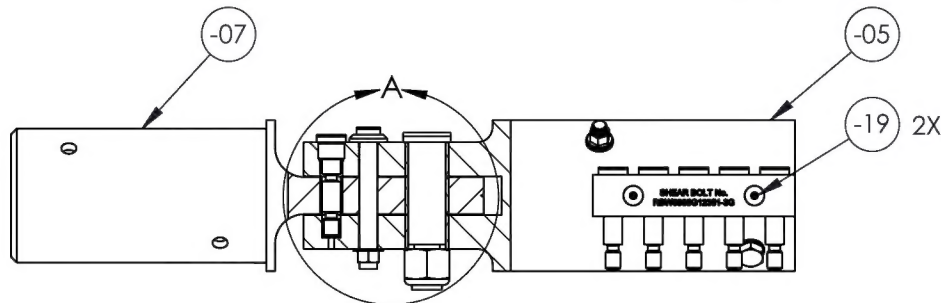
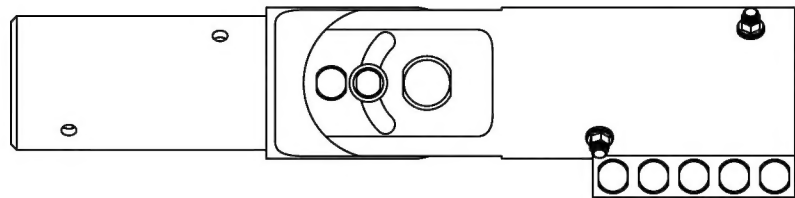


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.



2X -25
4X -23
2X -25



DETAIL A
SCALE 1.5 : 1

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-01	1	PIVOT LOCK BOLT	4140 Q&T/4142 Q&T		2
			-03	1	PIVOT BOLT	4140 Q&T/ 4142 Q&T		3
			-05	1	TONGUE PIVOT	6061		4
			-07	1	DOLLY PIVOT	6061		5
			-09	1	PIVOT SHEAR BOLT HOLDER	6061		6
			-11	6	PIVOT SHEAR BOLT	6061	#RBW0905G12351-3G	1
			-13	2	BUSHING	BRONZE	Ø20mm ID. X 18mm (MCMaster-CARR #6679K21) MODIFIED	7
		B/O	-14	1	BUSHING	BRONZE	Ø10mm ID. X 20mm APLLIED INDUSTRIES #1020DU	1
		B/O	-15	1	BUSHING	BRONZE	Ø20mm ID. X 20mm (MCMaster-CARR #6679K21)	1
		B/O	-17	1	BUSHING	BRONZE	Ø8mm ID. X 10mm APPLIED INDUSTRIES #0810DU	1
		B/O	-19	2	FLAT SOCKET HEAD CAP SCREW	STEEL	#10-32 UNF X 7/8 (MCMaster-CARR #91263A547)	1
		B/O	-21	2	HEX HEAD CAP SCREW	PLATED STEEL	5/16-24 UNF X 3-5/8 SPENCER AIRCRAFT #AN5-35A	1
		B/O	-23	4	FLAT WASHER	PLATED STEEL	Ø5/16 (SPENCER AIRCRAFT #AN960-516)	1
		B/O	-25	2	LOCK NUT	PLATED STEEL	5/16-24 UNF (MCMaster-CARR #95307A600)	1
		B/O	-27	1	LOCK NUT	PLATED STEEL	5/8-18 UNF (MCMaster-CARR #97135A275)	1
		B/O	-29	1	LOCK NUT	PLATED STEEL	3/8-24 UNF (MCMaster-CARR #95307A700)	1

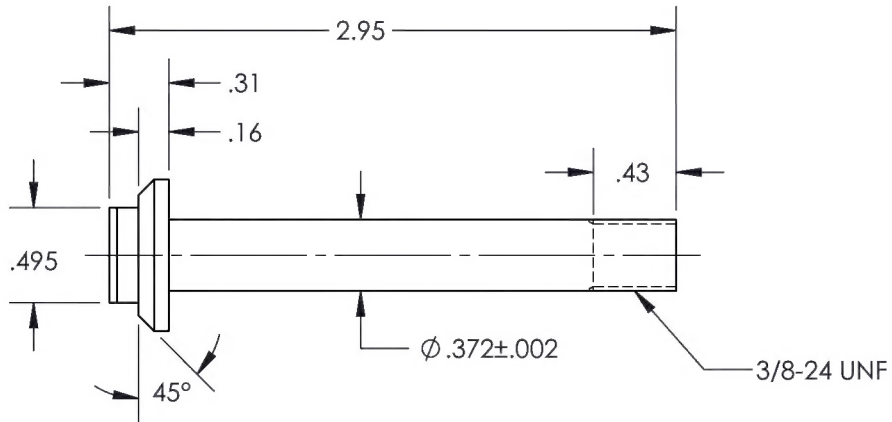
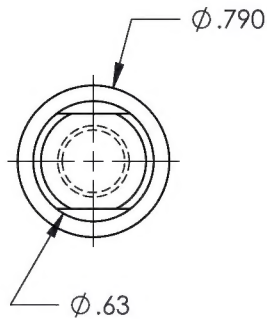
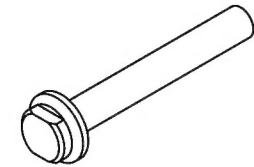
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		DELETED -11 FROM DWG., MADE REFERENCE IN BOM FOR -11 TO SEE RBW0905G12351-3G.	4/28/10	RJC	
1A		REMOVED PAGE 2, RE-NUMBERED PAGES & BOM PER W.P.	4/28/10	RJC	
2		CORRECTED PG. 1 ASSEMBLY VIEW, UNIT WAS MIRRORED THE WRONG DIRECTION. ADDED -14 BUSHING, CH'D -03 HEAD DIA. FROM Ø1.182 TO Ø1.12, AND ADDED .125 TO THREAD LENGTH FOR NYLOCK NUT.	5/31/10	WP	RW
3		-09 CH'D P/N FROM RBW0905G12251-3G TO RBW0905G12351-3G, REMOVED -11 FROM DWG. & MADE A SEPARATE FILE FOR THIS PART RBW0905G12351-3G, PER W.P.	9/3/10	RJC	
4		SEPERATED PARTS TO 1 PART PER SHEET -07 ADDED FIT TOL TO Ø2.790 DIM	1/2/12	BIM	SE
5		UPDATED SHEET FORMATS. CH'D NAME WAS "SAFTY JOINT ASSEMBLY" IS "SAFETY PIN, TOWING/PUSHING". -14 CH'D B/O INFO WAS REID #GO-436 IS GURLOCK #MD1020DU. -17 CH'D B/O INFO WAS REID #GO-427 IS GURLOCK #MD0810DU. -29 CH'G QTY. IN BOM WAS 3 IS 1.	12/20/13	CFS	
6	14-0204	ADDED NOTE 2 TO SHEET ONE. -03 CH'D RAW MATERIAL SIZE WAS Ø1-1/4 IS Ø1-1/8. -05 ADDED ENGRAVE T/N, S/N, MADE IN USA NOTE. -07 ADDED MISSING 45° DIM. -14, -17, 21, -23 CH'D B/O INFO. -31 DELETED.	10/31/2014	RJC	JAG
7	15-0027	-01, -03 CH'D MATERIAL WAS 4140 Q&T IS 4140 Q&T/4142 Q&T.	1/30/2015	RJC	JAG

NOTE:
1. THIS SAFETY JOINT ASSEMBLY ATTACHES TO RBW0905G00134-3G TOW DOLLY.
2. ALSO SOLD WITH RBW0905G10331-3G.

DART AEROSPACE	
TITLE SAFETY PIN, TOWING/PUSHING	
DWG NO. RBW0905G12631-3G	
REV 7	
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
.XXX ± .005	APPROVED <i>D Weil</i>
.XX ± .01	HEAT TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AGUSTA AW139
SCALE 1:4	DATE 2/12/2010
SHEET 1 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
7	15-0027	-01 CH'D MATERIAL WAS 4140 Q&T IS 4140 Q&T/4142 Q&T.	1/30/2015	RJC	JAG



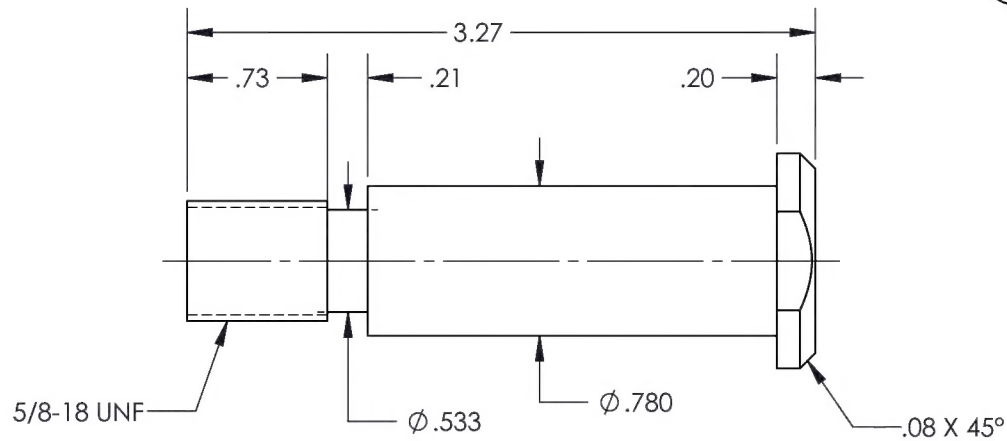
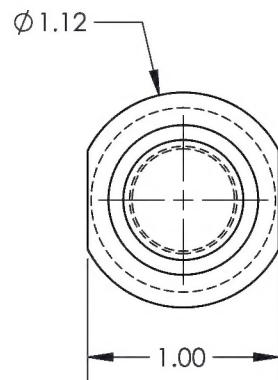
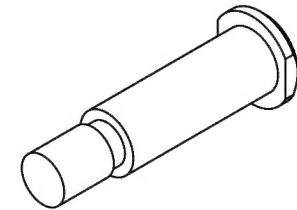
(-01)

PIVOT LOCK BOLT

DART AEROSPACE	
TITLE SAFETY PIN TOWING/PUSHING	
DWG NO. RBW0905G12631-3G-01	REV 7
MAT'L 4140 Q&T/4142 Q&T	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH NICKEL PLATE
.X ± .1	SPEC MIL-P-6859
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:1	DATE 2/12/2010
SHEET 2 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-03 CH'D HEAD DIA. FROM Ø1.182 TO Ø1.12, & ADDED .125 TO THREAD LENGTH FOR NYLOCK NUT.	5/31/10	WP	RW
7	15-0027	-03 CH'D MATERIAL WAS 4140 Q&T IS 4140 Q&T/4142 Q&T.	1/30/2015	RJC	JAG



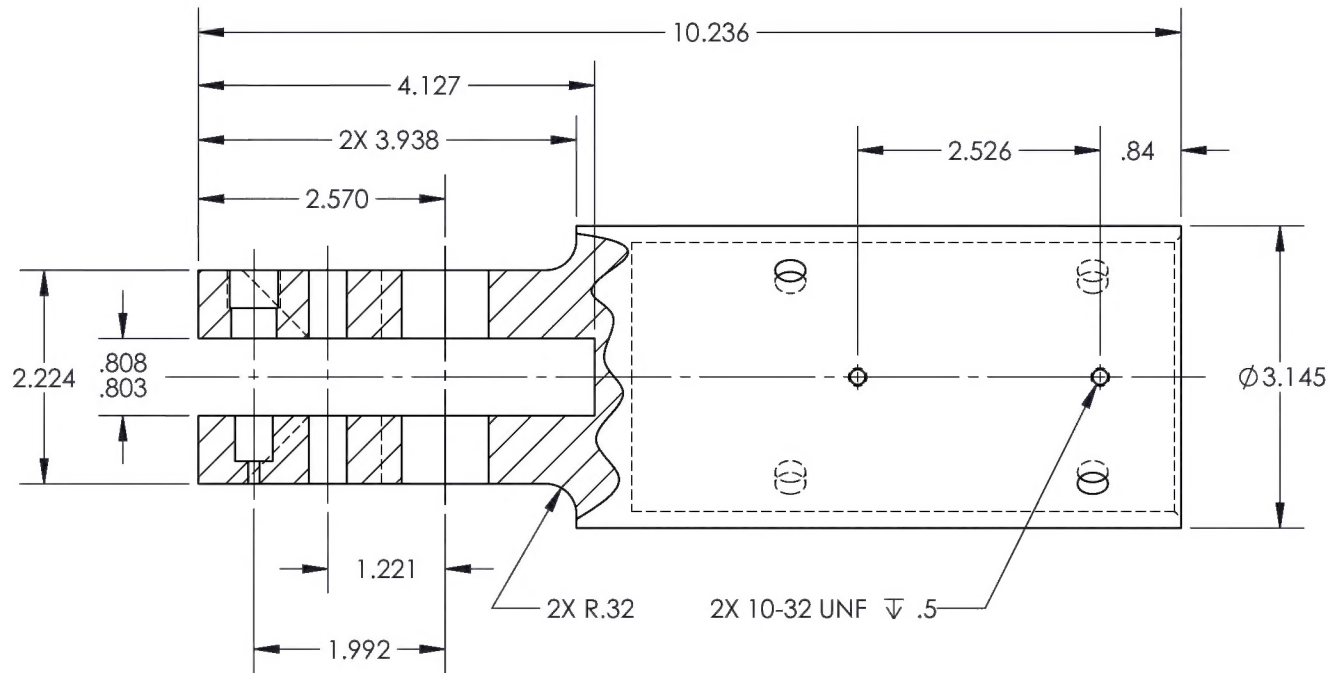
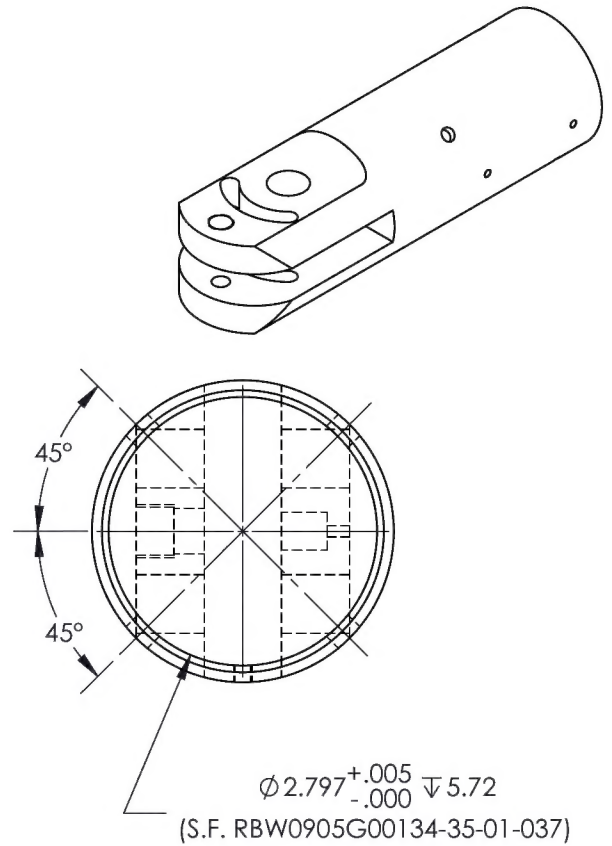
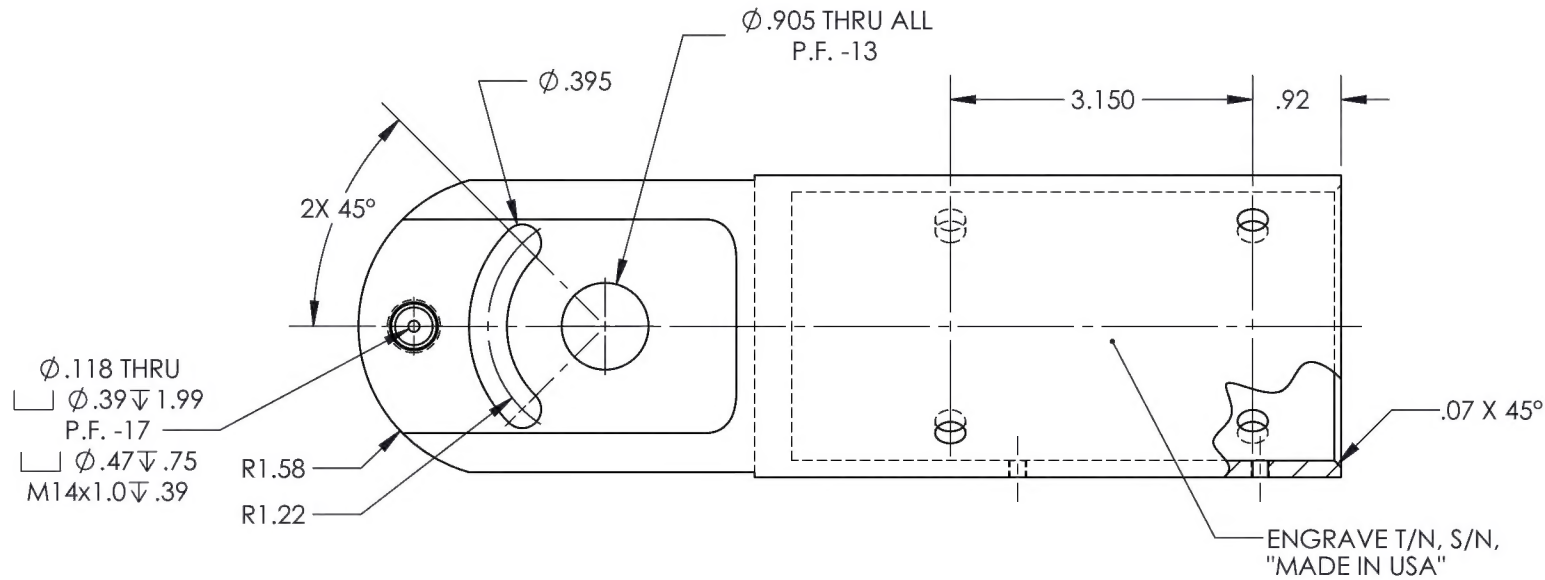
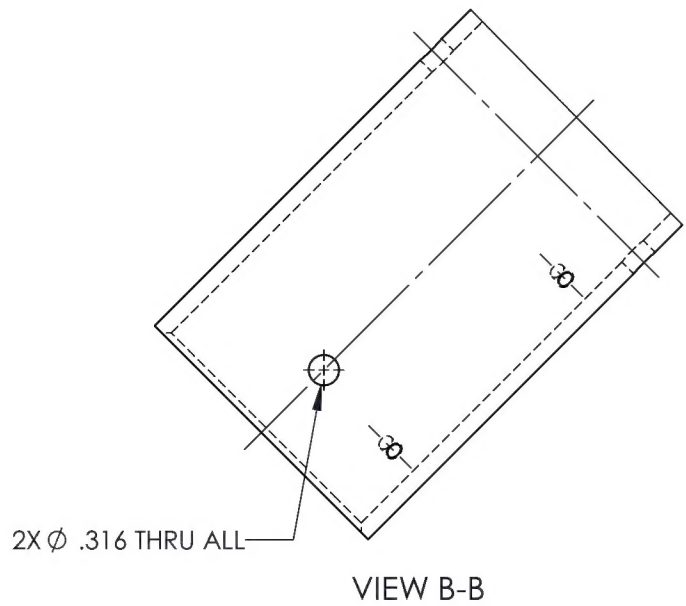
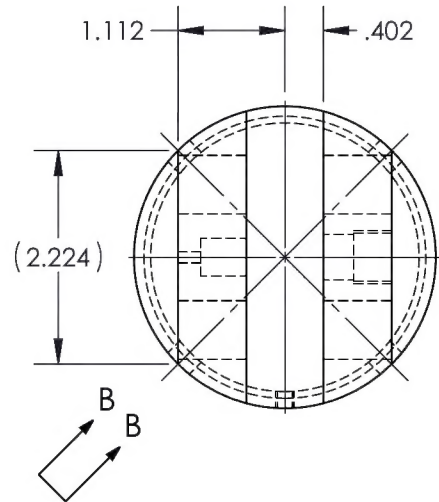
(-03)

PIVOT BOLT

DART AEROSPACE	
TITLE SAFETY PIN, TOWING/PUSHING	
DWG NO. RBW0905G12631-3G-03	REV 7
MAT'L 4140 Q&T/ 4142 Q&T	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH NICKEL PLATE
.X ± .1	SPEC MIL-P-6859
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:1	DATE 2/12/2010
SHEET 3 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
6	14-0204	-05 ADDED ENGRAVE T/N, S/N, MADE IN USA NOTE.	10/31/2014	RJC
				APPROVED JAG



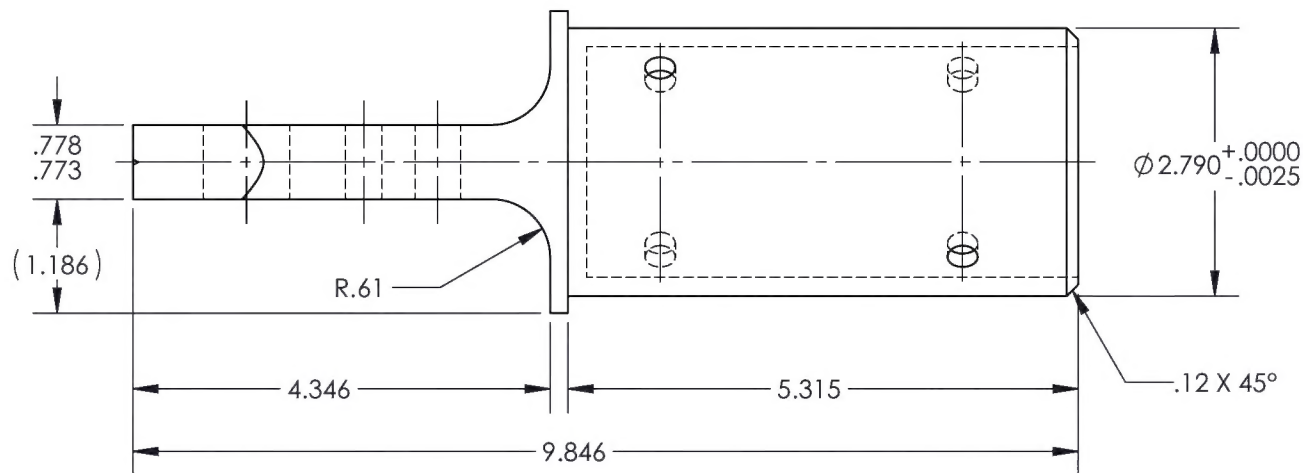
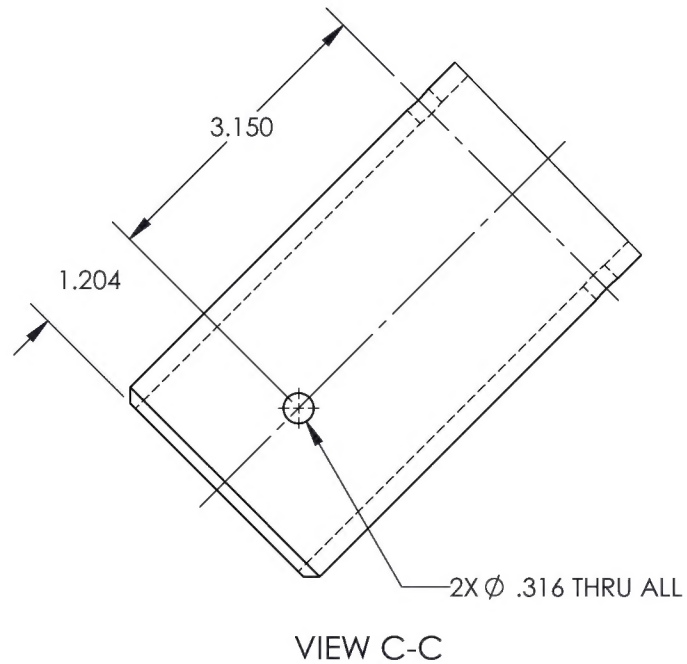
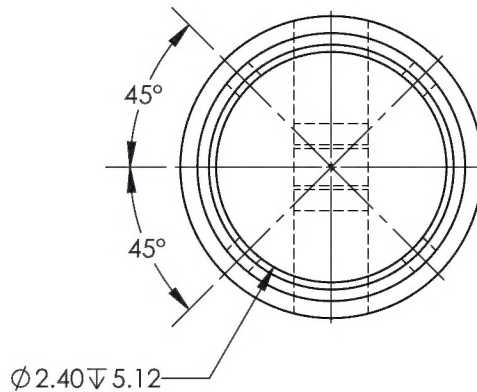
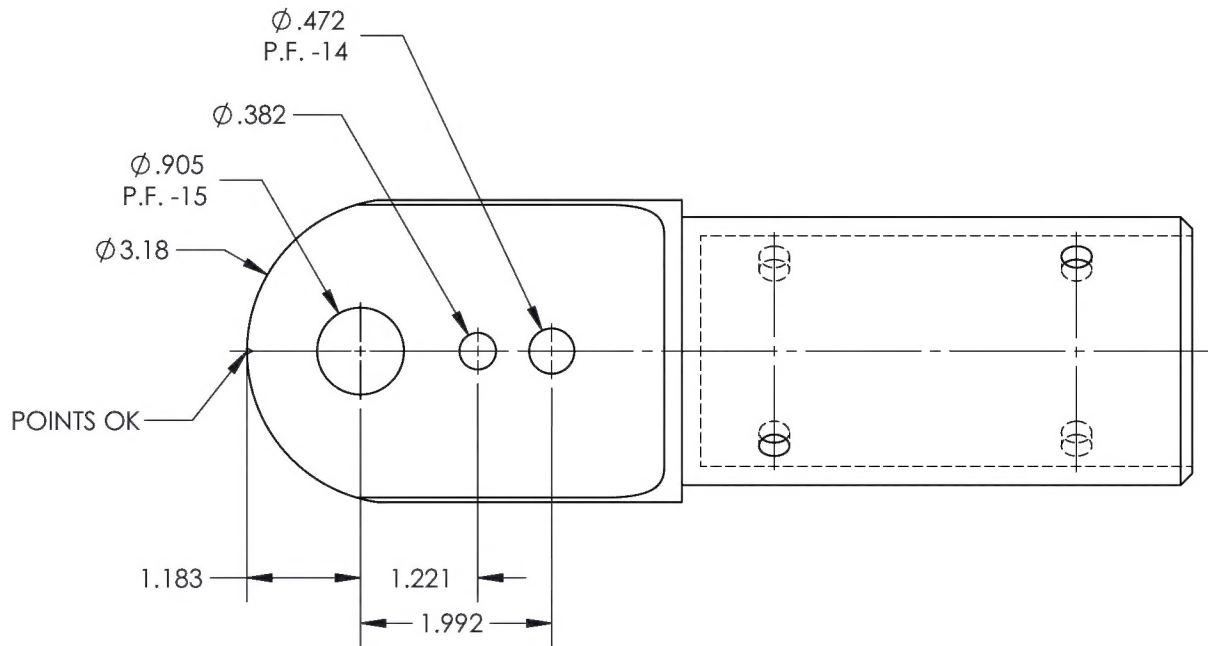
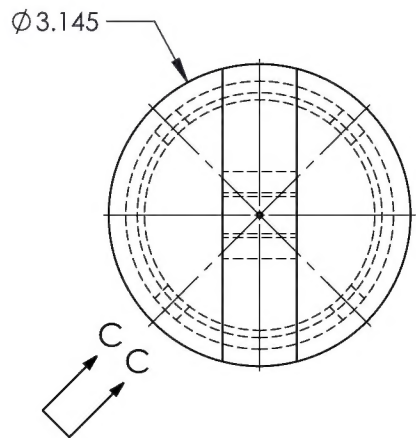
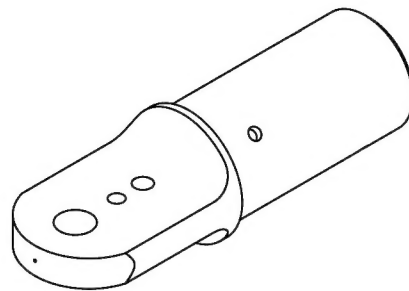
(-05)

TONGUE PIVOT

DART AEROSPACE			
TITLE SAFETY PIN, TOWING/PUSHING			
DWG NO. RBW0905G12631-3G-05			REV 7
MAT'L 6061		DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Well</i>	
.XXX ± .005		TREAT FINISH	
.XX ± .01		CLEAR ANODIZE	
.X ± .1		SPEC MIL-A-8625F, TYPE II, CLASS I	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		AGUSTA AW139	
SCALE 1:2	DATE 2/12/2010	SHEET 4 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4		SEPARATED PARTS TO 1 PART PER SHEET -07 ADDED FIT TOLERANCE TO Ø2.490 DIM.	1/2/12	BIM	SE
6	14-0204	-07 ADDED MISSING 45°.	10/31/2014	RJC	JAG



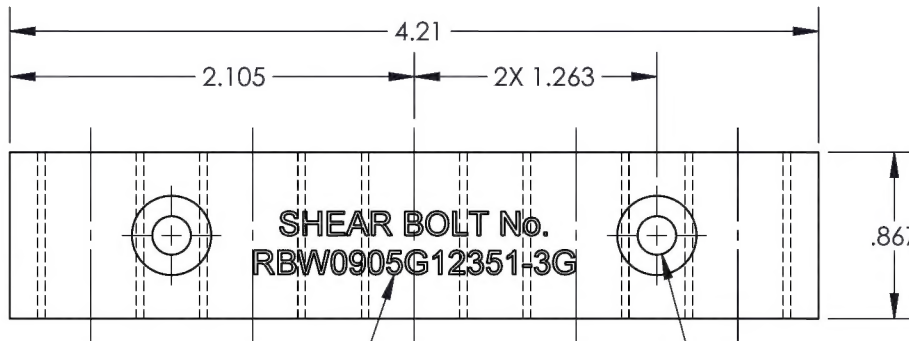
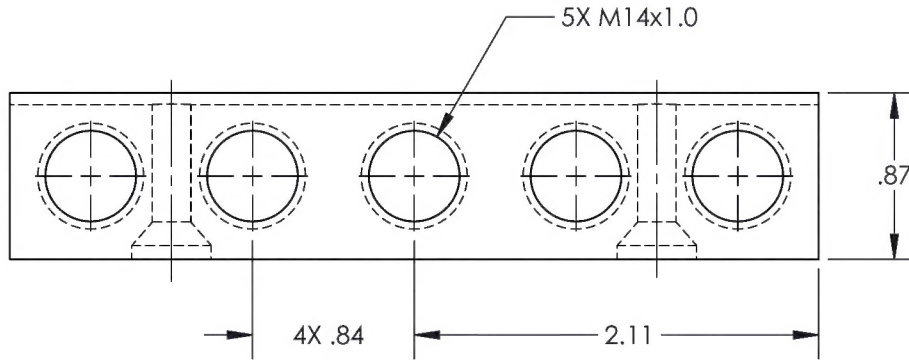
(-07)

DOLLY PIVOT

DART AEROSPACE	
TITLE SAFETY PIN, TOWING/PUSHING	
DWG NO. RBW0905G12631-3G-07	REV 7
MAT'L 6061	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D. Well</i>
.XXX ± .005 .XX ± .01 .X ± .1	HEAT TREAT FINISH CLEAR ANODIZE
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC MIL-A-8625F, TYPE II, CLASS I USED ON MODEL AGUSTA AW139
SCALE 1:2	DATE 8/15/2007
SHEET 5 OF 7	

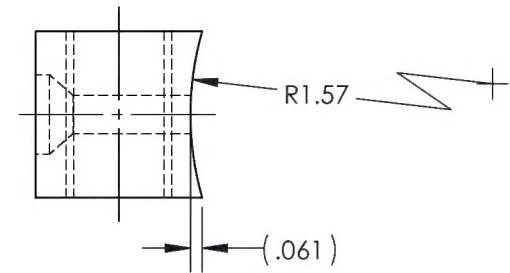
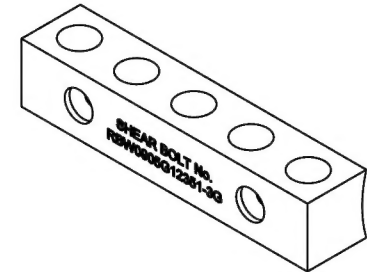
This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3		-09 CH'D P/N FROM RBW0905G12251-3G TO RBW0905G12351-3G, REMOVED -11 FROM DWG. & MADE A SEPARATE FILE FOR THIS PART RBW0905G12351-3G, PER W.P.	9/3/10	RJC	



ENGRAVE:"SHEAR BOLT No.
"RBW0905G12351-35"
1/8 ARIAL TEXT

2X ϕ .201 THRU ALL
 \checkmark ϕ .41 X 82°
 \square ϕ .41 ∇ .07



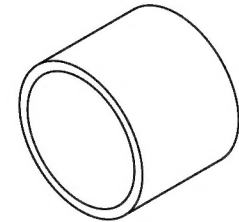
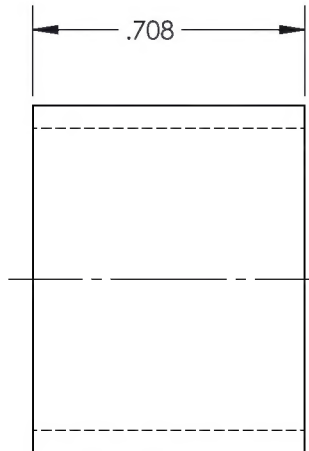
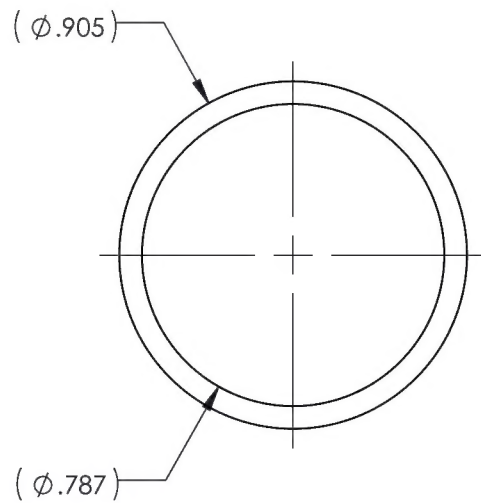
(-09)

PIVOT SHEAR BOLT HOLDER

DART AEROSPACE	
TITLE SAFETY PIN, TOWING/PUSHING	
DWG NO. RBW0905G12631-3G-09	REV 7
MAT'L 6061	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH CLEAR ANODIZE
.X ± .1	SPEC MIL-A-8625F, TYPE II, CLASS I
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:1	DATE 2/12/2010
SHEET 6 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-13)

BUSHING

DART AEROSPACE	
TITLE SAFETY PIN, TOWING/PUSHING	
DWG NO. RBW0905G12631-3G-13	REV 7
MAT'L BRONZE	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT
.XX ± .01 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AGUSTA AW139
SCALE 2:1	DATE 2/12/2010
	SHEET 7 OF 7